Index to Volume 44

January–June, 1976

Abscess
Chronic petrous pyramid abscess presenting as a cerebellopontine angle mass. Case report, 116
Diagnosis and treatment of abscess of the central ganglia, 226
ACKERMAN L. *See* Penn RD, 449
Acromegaly
Treatment of acromegaly by transsphenoidal microsurgery, 677
Adenoma
Calcification in a chromophobe adenoma. Case report, 623
Intracranial ectopic pituitary adenoma. Case report, 96
Suprasellar osteogenic sarcoma following radiation for pituitary adenoma. Case report, 88
Treatment of acromegaly by transsphenoidal microsurgery, 677
ALEXANDER E JR. *See* Walker MD, 655
ALFRED HC. *See* Kapp JP, 393
ALKSNE JF. Book review, 646
———. *See* Smith RW, 567
ALLEN GS, GROSS CJ, FRENCH LA, CHOU SN. Cerebral arterial spasm. Part 5: *In vitro* contractile activity of vasoactive agents including human CSF on human basilar and anterior cerebral arteries, 594
———, ———, HENDERSON LM, CHOU SN. Cerebral arterial spasm. Part 4: *In vitro* effects of temperature, serotonin analogues, large non-physiological concentrations of serotonin, and extracellular calcium and magnesium on serotonin-induced contractions of the canine basilar artery, 585
Allen, method of
Possible mechanisms for observed pathophysiological variability in experimental spinal cord injury by the method of Allen, 429
ALTEMUS LR. *See* Kasdon DL, 753
AMBROSI B. *See* Giovanelli MA, 677
American Association of Neurosurgical Nurses
American Association of Neurosurgical Nurses. (Letter), 532
AMINE ARC, SUGAR O. Suprasellar osteogenic sarcoma following radiation for pituitary adenoma. Case report, 88
AMITANI K, TSUYUGUCHI Y, HUKUDA S. Delayed cervical myelopathy caused by bomb shell fragment. Case report, 626
AMMERMAN BJ, HENRY JM, DE GIROLAMI U, EARLE KM. Intradural lipomas of the spinal cord. A clinicopathological correlation, 331
AMO T. *See* Shibuya S, 105
Anastomosis
Carotid-anterior cerebral artery anastomosis. Case report, 378
Clinical experience with extra-intracranial arterial anastomosis in 65 cases, 313
Microvascular bypass surgery. Part 1: Anatomical studies, 712
Spontaneous cerebral revascularization in a patient with STA-MCA anastomosis. Case report, 84
Anatomy
Anatomical features of the straight sinus and its tributaries. Clinical correlations, 55
Anatomical observations of the subarachnoid cisterns of the brain during surgery, 298
Computer-mapping of brain-stem sensory centers in man, 458
Functional representation on the medial aspect of the frontal lobes in man, 275
Microvascular bypass surgery. Part 1: Anatomical studies, 712
Surgical anatomy of the proximal anterior cerebral artery, 359
Ultrastructural blood-brain barrier alterations and edema formation in acute spinal cord trauma, 419
ANDERSON DK, PROCKOP LD, MEANS ED, HARTLEY LE. Cerebrospinal fluid lactate and electrolyte levels following experimental spinal cord injury, 715
ANDERSON FM. Book review, 266
Anesthesia
Effect of intermittently raised intracranial pressure on breathing pattern, ventilatory response to CO_2, and blood gases in anesthetized cats, 156
Aneurysm clips
Comparative study of the pressure of various aneurysm clips, 723
Aneurysms
Aneurysm of a superior cerebral vein, 296
Aneurysm of the inferior gluteal artery causing sciatic pain. Case report, 100
Comparative study of the pressure of various aneurysm clips, 723
Mycotic aneurysms of the internal carotid artery. Case report, 105
Surgical treatment for aneurysms of the upper basilar artery, 537
Use of epsilon aminocaproic acid (EACA) in the preoperative management of ruptured intracranial aneurysms, 479
Angiography
Angiographic demonstration of a cerebral venous angioma. Case report, 628
Angioma
Angiographic demonstration of a cerebral venous angioma. Case report, 628
Antibiotics
Antibiotics for basilar skull fracture. (Letter), 649
APPLETON DB. *See* Merry GS, 613
APT WL, FIERRO JL, CALDERÓN C, PÉREZ C, MUJICA P. Vertebral hydatid disease. Clinical experience with 27 cases, 72
Aqueduct
Tension pneumocephalus after insertion of ven-

triculoperitoneal shunt for aqueductal stenosis. Case report, 383
Arteries, anterior cerebral
Carotid-anterior cerebral artery anastomosis. Case report, 378
Cerebral arterial spasm. Part 5: *In vitro* contractile activity of vasoactive agents including human CSF on human basilar and anterior cerebral arteries, 594
Arteries, basilar
Cerebral arterial spasm. Part 4: *In vitro* effects of temperature, serotonin analogues, large non-physiological concentrations of serotonin, and extracellular calcium and magnesium on serotonin-induced contractions of the canine basilar artery, 585
Cerebral arterial spasm. Part 5: *In vitro* contractile activity of vasoactive agents including human CSF on human basilar and anterior cerebral arteries, 594
Experimental evaluation of the spasmogenicity of dopamine on the basilar artery, 45
Arteries, carotid
Carotid-anterior cerebral artery anastomosis. Case report, 378
Arteries, inferior gluteal
Aneurysm of the inferior gluteal artery causing sciatic pain. Case report, 100
Arteries, internal carotid
Mycotic aneurysms of the internal carotid artery. Case report, 105
Arteries, middle cerebral
Middle cerebral artery embolectomy. Case report, 517
Arteries, middle meningeal
Traumatic fistula between a lacerated middle meningeal artery and a diploic vein. Case report, 241
Arteries, proximal anterior cerebral
Surgical anatomy of the proximal anterior cerebral artery, 359
Arteries, superficial temporal
Microvascular bypass surgery. Part 1: Anatomical studies, 712
Arteries, upper basilar
Surgical treatment for aneurysms of the upper basilar artery, 537
Arteriovenous malformations
Embolization of a traumatic arteriovenous fistula of the scalp with radiopaque Gelfoam pledgets. Case report and technical note, 753
Persisting embryonal arterial communication between vertebral artery and subclavian vein. Case report, 632
Rapid arteriovenous shunting in a spinal cord ependymoma. Case report, 744
Spinal arterial malformation in a child with hereditary hemorrhagic telangiectasia. Case report, 613
Astrocytomas
Controlled study of CCNU and radiation therapy in malignant astrocytoma, 186
AUSMAN JI, MOORE J, CHOU SN. Spontaneous cerebral revascularization in a patient with STA-MCA anastomosis. Case report, 84
Autopsies
Brain-cutting device for correlation of brain scan and autopsy section. Technical note, 759
Autoregulation
Body position and cerebrospinal fluid pressure. Part 1: Clinical studies on the effect of rapid postural changes, 687
Preserved autoregulation in the rhesus spinal cord after high cervical cord section, 425

Bacteria
Cerebrospinal fluid shunt infections with anaerobic diphtheroids *(Propionibacterium species)*, 580
BARNETT HG 2ND. *See* Meriwether RP, 620
BATTISTA AF, FLAMM ES, GOLDSTEIN M, FREEDMAN LS. Effect of dopamine-beta-hydroxylase inhibition on cerebral vasospasm in the cat, 168
BECK-PECCOZ P. *See* Giovanelli MA, 677
BENDER MB. *See* Lusins J, 601
BENTSON JR. *See* Yuhl ET, 744
BINGHAM WG JR. *See* Goodman JH, 419
BISEL HF. *See* Reagan TJ, 186
BLACK RG. Book review, 397
BLACK SPW. Book review, 645
———. Book review, 646
Bladder function
Management of the uninhibited bladder by selective sacral neurectomy, 176
BLAYLOCK RL, KEMPE LG. Chondrosarcoma of the cervical spine. Case report, 500
Blood-brain barrier
Ultrastructural blood-brain barrier alterations and edema formation in acute spinal cord trauma, 419
Blood flow
Changes in local cerebral blood flow following profound systemic hypotension, 215
Dynamic changes in regional CBF, intraventricular pressure, CSF pH and lactate levels during the acute phase of head injury, 191
Effect of intracisternal phentolamine on cerebral blood flow after subarachnoid injection of blood, 353
Effects of hyperventilation, CO_2, and CSF pressure on internal carotid blood flow in the baboon, 347
Selection of patients for extra-intracranial arterial bypass surgery based on rCBF measurements, 303
Spinal cord blood flow as affected by changes in systemic arterial blood pressure, 12
Blood pressure, arterial
Spinal cord blood flow as affected by changes in systemic arterial blood pressure, 12
Blood volume
Tumor volume, luxury perfusion, and regional blood volume changes in man visualized by subtraction computerized tomography, 449
Bone
Brain and bone scans in primary Ewing's sarcoma of the petrous bone. Case report, 608
Bone splitting
Repair of denuded cranial bone by bone splitting

Index

and free-skin grafting, 728

Book reviews
Bell WE, McCormick WF. *Neurologic infections in children. Volume 12 of Major Problems in Clinical Pediatrics*, 396
Bleeker GM, Garston JB, Kronenberg B, Lyle TK (eds). *Modern problems in ophthalmology, volume 14: orbital disorders*, 645
Bradley PB (ed). *Methods in brain research*, 525
Burnstock G, Costa M. *Adrenergic neurons: their organization, function, and development in the peripheral nervous system*, 762
Denny-Brown D (ed). *Centennial anniversary volume of the American Neurological Association*, 529
Dunkerley GB. *A basic atlas of the human nervous system*, 398
Eyzaguirre C, Fidone SJ. *Physiology of the nervous system: an introductory text, ed 2*, 399
Fine RD (ed). *The diagnosis and treatment of cerebral arterial disease of extracranial origin*, 527
Ford FR. *Diseases of the nervous system in infancy, childhood and adolescence, ed 6*, 266
Friedlander WJ (ed). *Current reviews of higher nervous system dysfunction. Volume 7 of Advances in Neurology*, 526
Gardner E. *Fundamentals of neurology: a psychophysiological approach, ed 6*, 761
Gastaut H, Broughton R. *Epileptic seizures: clinical and electrographic features, diagnosis and treatment*, 264
Gordon E (ed). *A basis and practice of neuroanesthesia*, 765
Grote W, Bettag W, Bock WJ. *Neurochirurgie*, 526
Hornabrook RW (ed). *Topics on tropical neurology*, 131
Isaacson RL. *The limbic system*, 527
Jung A, Kehr P, Magerl F, Weber BG (eds). *The cervical spine: primary and posttraumatic disorders, advances in surgical management*, 130
Klug W, Brock M, Klinger M, Spoerri O (eds). *Advances in neurosurgery 2: meningiomas, multiple sclerosis, forensic problems in neurosurgery*, 530
Kogan A; translated by Kaner N. *Current problems in neurocybernetics*, 646
Kreutzberg GW (ed). *Physiology and pathology of dendrites. Volume 12 of Advances in Neurology*, 647
Krieg WJS. *Stereotaxy*, 646
———. *Interpretative atlas of the monkey's brain*, 646
Lundberg N, Pontén U, Brock M (eds). *Intracranial pressure II*, 267
Matsumoto T. *Acupuncture for physicians*, 397
———, Levy BA. *Acupuncture for patients*, 398
Meldrum BS, Marsden CD (eds). *Primate models of neurological disorders. Volume 10 of Advances in Neurology*, 396
Narabayashi H, Gildenberg L (eds). *Advances in stereoencephalotomy volume 7*, 267
Netsky MG, Shuangshoti S (eds). *The choroid plexus in health and disease*, 129
New PFJ, Scott WR. *Computed tomography of the brain and orbit (EMI scanning)*, 763
Newton TH, Potts DG (eds). *Radiology of the skull and brain, volume 2*, 132
Penfield W, Hendel C, Symonds C. *The mystery of the mind*, 644
Penning L, Front D. *Brain scintigraphy. A neuroradiological approach*, 764
Pia HW, Gleave JRW, Grote E, Zierski J (eds). *Cerebral angiomas: advances in diagnosis and therapy*, 265
Purpura DP, Penry JK, Walter RD (eds). *Neurosurgical management of the epilepsies. Volume 8 of Advances in Neurology*, 265
Raimondi AJ (ed). *Child's brain. Official journal of the Society for Pediatric Neurosurgery*, 266
Rothman RH, Simeone FA (eds). *The spine*, 395
Seydel HG (ed). *Tumors of the nervous system*, 528
Shapiro R. *Myelography, ed 3*, 529
Shipps FC, Madeira JT, Huntington HW, Wing RD. *Atlas of brain anatomy for EMI scans*, 399
Thompson RA, Green JR (eds). *Infectious diseases of the central nervous system. Volume 6 of Advances in Neurology*, 132
Uttal WR. *Cellular neurophysiology and integration: an interpretative introduction*, 645
Waser PG (ed). *Cholinergic mechanisms*, 527
Wilkins RH (ed). *Clinical Neurosurgery, volume 22*, 133
BOOTH AE. *See* Diengdoh JV, 732
Brain damage
Monkey brain damage from radiation in the therapeutic range, 3
Brain scanning
Brain and bone scans in primary Ewing's sarcoma of the petrous bone. Case report, 608
Brain-cutting device for correlation of brain scan and autopsy section. Technical note, 759
Unoperated subdural hematomas. Long-term follow-up study by brain scan and electroencephalography, 601
Brain stem
Computer-mapping of brain-stem sensory centers in man, 458
BRENDEL W. *See* Schmiedek P, 303
BRET J. *See* Kunc Z, 632
BREWIN A. *See* Hoff JT, 649
BROWDER J, KAPLAN HA, KRIEGER AJ. Anatomical features of the straight sinus and its tributaries. Clinical correlations, 55
———. *See* Kaplan HA, 296
Brown-Séquard syndrome
Delayed cervical myelopathy caused by bomb shell fragment. Case report, 626
BRUNHART G. *See* Nakagaki H, 3
BUCHHEIT WA. *See* Lee SH, 493
BUCY PC. Book review, 530
BULLARA LA. *See* Jacques S, 523
Bypass surgery
Experimental bypass for sagittal sinus repair. Preliminary report, 325
Microvascular bypass surgery. Part 1: Anatomical studies, 712
Selection of patients for extra-intracranial arterial

bypass surgery based on rCBF measurements, 303

Calcification
Calcification in a chromophobe adenoma. Case report, 623
Calcium
Cerebral arterial spasm. Part 4: *In vitro* effects of temperature, serotonin analogues, large non-physiological concentrations of serotonin, and extracellular calcium and magnesium on serotonin-induced contractions of the canine basilar artery, 585
CALDERÓN C. *See* Apt WL, 72
Carbohydrates
Carbohydrates as potential diagnostic tracers for brain tumors, 668
CARRAS R. *See* Epstein JA, 139
CAVENESS WF. *See* Nakagaki H, 3
CCNU
Controlled study of CCNU and radiation therapy in malignant astrocytoma, 186
Cerebellopontine angle
Chronic petrous pyramid abscess presenting as a cerebellopontine angle mass. Case report, 116
Cerebral arterial spasm
Cerebral arterial spasm. Part 4: *In vitro* effects of temperature, serotonin analogues, large non-physiological concentrations of serotonin, and extracellular calcium and magnesium on serotonin-induced contractions of the canine basilar artery, 585
Cerebral arterial spasm. Part 5: *In vitro* contractile activity of vasoactive agents including human CSF on human basilar and anterior cerebral arteries, 594
Cerebrospinal fluid (*See also* hydrocephalus; shunts)
Cerebral arterial spasm. Part 5: *In vitro* contractile activity of vasoactive agents including human CSF on human basilar and anterior cerebral arteries, 594
Cerebrospinal fluid creatine phosphokinase in acute subarachnoid hemorrhage, 50
Cerebrospinal fluid lactate and electrolyte levels following experimental spinal cord injury, 715
Cerebrospinal fluid lactate and lactate/pyruvate ratios in hydrocephalus, 337
Dynamic changes in regional CBF, intraventricular pressure, CSF pH and lactate levels during the acute phase of head injury, 191
Cerebrospinal fluid formation
Normal rate of cerebrospinal fluid formation five years after bilateral choroid plexectomy. Case report, 735
Cerebrospinal fluid loculation
Radionuclide cisternographic evaluation and follow-up of posttraumatic subconjunctival CSF loculation. Case report, 496
Cerebrospinal fluid pressure
Body position and cerebrospinal fluid pressure. Part 1: Clinical studies on the effect of rapid postural changes, 687
Body position and cerebrospinal fluid pressure. Part 2: Clinical studies on orthostatic pressure and the hydrostatic indifferent point, 698
Effects of hyperventilation, CO_2, and CSF pressure on internal carotid blood flow in the baboon, 347
CHAMBERS AA, LUKIN R, TSUNEKAWA N. Calcification in a chromophobe adenoma. Case report, 623
CHATER N, SPETZLER R, TONNEMACHER K, WILSON CB. Microvascular bypass surgery. Part 1: Anatomical studies, 712
Chemotherapy
Evaluation of mithramycin in the treatment of anaplastic gliomas, 655
CHIEN T. *See* Milhorat TH, 735
Childe, Arthur E.
In memoriam: Arthur E. Childe, 271
CHILDS DS JR. *See* Reagan TJ, 186
Chondrosarcoma
Chondrosarcoma of the cervical spine. Case report, 500
Choroid plexus
Normal rate of cerebrospinal fluid formation five years after bilateral choroid plexectomy. Case report, 735
CHOU SN. *See* Allen GS, 594
———. *See* Allen GS, 585
———. *See* Ausman JI, 84
CIRIC I. Neuroepithelial cysts. (Response to letter), 134
Cisternography
Radionuclide cisternographic evaluation and follow-up of posttraumatic subconjunctival CSF loculation. Case report, 496
Cisterns
Anatomical observations of the subarachnoid cisterns of the brain during surgery, 298
CLEIN LJ. Suprascapular entrapment neuropathy. (Response to letter), 650
Clips. *See* aneurysm clips
Coagulation
Intravascular coagulation following trauma. (Letter), 400
Intravascular coagulation following trauma. (Response to letter), 400
Microvascular bipolar coagulator. Technical note, 523
COLD G. *See* Enevoldsen EM, 191
Collagenase
Effects of collagenase on monkey intervertebral discs. (Letter), 767
Effects of collagenase on monkey intervertebral discs. (Response to letter), 768
Effects of collagenase upon the intervertebral disc in monkeys, 32
Coma
Nonketotic hyperglycemic hyperosmolar coma. Report of neurosurgical cases with a review of mechanisms and treatment, 409
Congenital disorders
Spinal arterial malformation in a child with hereditary hemorrhagic telangiectasia. Case report, 613
CONLEY FK. Treatment of bilateral carotid-cavernous fistulas. (Response to letter), 269
COOK AW. Percutaneous trial for implantable stimulating devices. (Letter), 650
COULSON WF. *See* Stern WE, 32

Index

CRACCO RQ. *See* Sarnowski RJ, 270
Cranial defects
Complications of a large cranial defect. Case report, 506
Craniotomy
Monitoring optic nerve function during craniotomy, 29
Creatine phosphokinase
Cerebrospinal fluid creatine phosphokinase in acute subarachnoid hemorrhage, 50
CROWELL R. *See* Ott K, 80
CUBE HM. Intravascular coagulation following trauma. (Letter), 400
Cysts
Intracranial epithelial cysts. Report of two cases, 109
Neuroepithelial cysts. (Letter), 134
Neuroepithelial cysts. (Response to letter), 134

D'AGOSTINO A. *See* Shipps FC, 759
Dandy, Walter
Superimposed chronic hygromas. (Letter), 531
Superimposed chronic hygromas. (Response to letter), 531
DARDENNE G. Treatment of bilateral carotid-cavernous fistulas. (Letter), 268
Davidoff, Leo M.
In memoriam: Leo M. Davidoff, 400
DAVIS DA. *See* Milhorat TH, 735
DE GIROLAMI U. *See* Ammerman BJ, 331
Denervation
Percutaneous RF denervation of spinal facets. (Letter), 269
DESAUSSURE RL. Book review, 644
DEWEY RC, KOSNIK EJ, SAYERS MP. Simple test of shunt function: the shuntgram. Technical note, 121
Diabetes insipidus
Diabetes insipidus in neurosurgical patients. (Letter), 768
Diabetes insipidus in neurosurgical patients. (Response to letter), 768
Management of diabetes insipidus in neurosurgical patients, 65
DICKERSIN GR. *See* Scott RM, 386
DIENGDOH JV, BOOTH AE. Postirradiation necrosis of the temporal lobe presenting as a glioma. Case report, 732
DILENGE D. *See* Nutik S, 378
Diphtheroids
Cerebrospinal fluid shunt infections with anaerobic diphtheroids (*Propionibacterium species*), 580
Disc protrusion
Classification of cervical spondylosis or disc protrusion by preoperative evoked spinal electrogram. Follow-up study, 435
Discectomy
Anterior cervical discectomy with and without interbody bone graft, 290
Survey of tetraplegia resulting from anterior cervical discectomy and fusion. (Letter), 653
Discs
Effects of collagenase on monkey intervertebral discs. (Letter), 767
Effects of collagenase on monkey intervertebral discs. (Response to letter), 768
Effects of collagenase upon the intervertebral disc in monkeys, 32
DOHRMANN GJ, FARWELL JR, FLANNERY JT. Glioblastoma multiforme in children, 442
Dolichoectasia
Cerebral arterial dolichoectasia with seizure. Case report, 509
Dopamine
Effect of dopamine-beta-hydroxylase inhibition on cerebral vasospasm in the cat, 168
Experimental evaluation of the spasmogenicity of dopamine on the basilar artery, 45
DOYLE TF. *See* Kobrine AI, 12
———. *See* Kobrine AI, 16
———. *See* Kobrine AI, 425
———. *See* Martins AN, 353
Drug therapy (*See also* chemotherapy)
Antibiotics for basilar skull fracture. (Letter), 649
Effect of dopamine-beta-hydroxylase inhibition on cerebral vasospasm in the cat, 168
Effect of intracisternal phentolamine on cerebral blood flow after subarachnoid injection of blood, 353
Experimental evaluation of the spasmogenicity of dopamine on the basilar artery, 45
Role of histamine in posttraumatic spinal cord hyperemia and the luxury perfusion syndrome, 16
Spasmogenic qualities of prostaglandin $F_{2\alpha}$ in the cat, 173
DUNKER RO, HARRIS AB. Surgical anatomy of the proximal anterior cerebral artery, 359
DZUR JA. *See* Winternitz WW, 504

EACA
Use of epsilon aminocaproic acid (EACA) in the preoperative management of ruptured intracranial aneurysms, 479
EARLE KM. *See* Ammerman BJ, 331
ECHOLS DH. *See* Meriwether RP, 620
EDEIKEN J. *See* Lee KF, 571
Edema
Ultrastructural blood-brain barrier alterations and edema formation in acute spinal cord trauma, 419
Editorials
Invited editorial: The neurosurgeon's responsibility for organ procurement, 1
EHNI G. *See* Law JD, 226
EICKHOFF TC. *See* Everett ED, 580
Electroencephalography
Unoperated subdural hematomas. Long-term follow-up study by brain scan and electroencephalography, 601
Electrography
Classification of cervical spondylosis or disc protrusion by preoperative evoked spinal electrogram. Follow-up study, 435
Electromyography
Orbicularis oculi reflex and facial muscle electromyography. Pre- and postoperative evalua-

tion of posterior fossa space-occupying lesions, 550
Embolectomy
Middle cerebral artery embolectomy. Case report, 517
Emboli and embolization
Embolization of a traumatic arteriovenous fistula of the scalp with radiopaque Gelfoam pledgets. Case report and technical note, 753
Fatal paradoxical muscle embolization in traumatic carotid-cavernous fistula repair. Case report, 513
Middle cerebral artery embolectomy. Case report, 517
Embryology
Persisting embryonal arterial communication between vertebral artery and subclavian vein. Case report, 632
Encephalocele
Parietal intradiploic encephalocele. Case report, 617
Encephalography
Unoperated subdural hematomas. Long-term follow-up study by brain scan and electroencephalography, 601
Endothelium
Endothelial growth factor present in tissue culture of CNS tumors, 342
ENEVOLDSEN EM, COLD G, JENSEN FT, MALMROS R. Dynamic changes in regional CBF, intraventricular pressure, CSF pH and lactate levels during the acute phase of head injury, 191
ENZENBACH R. *See* Schmiedek P, 303
Ependymoma
Rapid arteriovenous shunting in a spinal cord ependymoma. Case report, 744
Epidural pressure
Chronic measurement of epidural pressure with an induction-powered oscillator transducer, 465
Epilepsy
Sensory Jacksonian seizures, 706
Epithelium
Intracranial epithelial cysts. Report of two cases, 109
Neuroepithelial cysts. (Letter), 134
Neuroepithelial cysts. (Response to letter), 134
EPSTEIN BS. *See* Epstein JA, 139
EPSTEIN JA, EPSTEIN BS, LAVINE LS, CARRAS R, ROSENTHAL AD. Degenerative lumbar spondylolisthesis with an intact neural arch (pseudospondylolisthesis), 139
EVERETT ED, EICKHOFF TC, SIMON RH. Cerebrospinal fluid shunt infections with anaerobic diphtheroids *(Propionibacterium species)*, 580
Evoked response
Spinal cord evoked response. (Letter), 269
Spinal cord evoked response. (Response to letter), 270

Facets, spinal
Percutaneous RF denervation of spinal facets. (Letter), 269
FAGLIA G. *See* Giovanelli MA, 677
FARWELL JR. *See* Dohrmann GJ, 442
FEDIO P. *See* Van Buren JM, 275
FEINSOD M, SELHORST JB, HOYT WF, WILSON CB. Monitoring optic nerve function during craniotomy, 29
FELDMAN RA, KHAYYAT GF. Perforation of the skull by a Gardner-Wells tong. Case report, 119
Fibromatosis
Fibromatosis presenting as a cranial mass lesion. Case report, 237
FIERRO JL. *See* Apt WL, 72
FISCHER G. *See* Sindou M, 325
Fistulas
Embolization of a traumatic arteriovenous fistula of the scalp with radiopaque Gelfoam pledgets. Case report and technical note, 753
Fatal paradoxical muscle embolization in traumatic carotid-cavernous fistula repair. Case report, 513
Traumatic fistula between a lacerated middle meningeal artery and a diploic vein. Case report, 241
Fistulas, carotid-cavernous
Treatment of bilateral carotid-cavernous fistulas. (Letter), 268
Treatment of bilateral carotid-cavernous fistulas. (Response to letter), 269
FITZER PM, STEFFEY WR. Brain and bone scans in primary Ewing's sarcoma of the petrous bone. Case report, 608
———. *See* Rinaldi I, 100
FLAMM ES. *See* Battista AF, 168
FLANNERY JT. *See* Dohrmann GJ, 442
Fluoroscopy
Fluoroscopy of foramen ovale as an aid to thermocoagulation of the Gasserian ganglion. Technical note, 254
Follow-up studies
Classification of cervical spondylosis or disc protrusion by preoperative evoked spinal electrogram. Follow-up study, 435
Normal rate of cerebrospinal fluid formation five years after bilateral choroid plexectomy. Case report, 735
Unoperated subdural hematomas. Long-term follow-up study by brain scan and electroencephalography, 601
Foramen ovale
Fluoroscopy of foramen ovale as an aid to thermocoagulation of the Gasserian ganglion. Technical note, 254
Foramen, jugular
Glioma of the jugular foramen. Case report, 493
Foreign bodies
Delayed cervical myelopathy caused by bomb shell fragment. Case report, 626
Retained intracranial metallic foreign bodies. Report of two cases, 80
FOURCADE C. *See* Sindou M, 325
FREEDMAN LS. *See* Battista AF, 168
FRENCH LA. Book review, 265
———. *See* Allen GS, 594
FRESHWATER DB. *See* Jacques S, 92
Frontal lobes
Functional representation on the medial aspect of

Index

the frontal lobes in man, 275
FUKUMITSU T. *See* Shibuya S, 105
Fusion
Survey of tetraplegia resulting from anterior cervical discectomy and fusion. (Letter), 653

GALBRAITH JG. Book review, 527
GAMACHE FW JR, MYERS RE, MONELL E. Changes in local cerebral blood flow following profound systemic hypotension, 215
Ganglia, central
Diagnosis and treatment of abscess of the central ganglia, 226
Ganglia, Gasserian
Cerebrovascular accident after percutaneous rf thermocoagulation of the trigeminal ganglion. Case report, 376
Fluoroscopy of foramen ovale as an aid to thermocoagulation of the Gasserian ganglion. Technical note, 254
Gardner's syndrome
Gardner's syndrome involving the skull, dura, and brain. Case report, 638
GARDNER WJ. Pacchionian granulations. (Letter), 270
GARRIDO E, STEIN BM. Middle cerebral artery embolectomy. Case report, 517
GAWLER J. *See* MacGregor BJL, 109
Gelfoam
Embolization of a traumatic arteriovenous fistula of the scalp with radiopaque Gelfoam pledgets. Case report and technical note, 753
Giant-cell tumor
Osteoclastoma of the thoracic spine. Case report, 748
GILLINGHAM J. Early management of spinal cord trauma. (Response to letter), 766
GIOVANELLI MA, MOTTI EDF, PARACCHI A, BECK-PECCOZ P, AMBROSI B, FAGLIA G. Treatment of acromegaly by transsphenoidal microsurgery, 677
GLASAUER FE. Book review, 764
———, GRAND W. Chronic petrous pyramid abscess presenting as a cerebellopontine angle mass. Case report, 116
Glioblastoma multiforme
Evaluation of mithramycin in the treatment of anaplastic gliomas, 655
Glioblastoma multiforme in children, 442
Glioma
Evaluation of mithramycin in the treatment of anaplastic gliomas, 655
Glioma of the jugular foramen. Case report, 493
Postirradiation necrosis of the temporal lobe presenting as a glioma. Case report, 732
GOLDSTEIN M. *See* Battista AF, 168
GONATAS NK. *See* Snyder R, 740
GONEM MN. Osteoclastoma of the thoracic spine. Case report, 748
GOODMAN JH, BINGHAM WG JR, HUNT WE. Ultrastructural blood-brain barrier alterations and edema formation in acute spinal cord trauma, 419
GOREE JA. *See* Preissig RS, 628
GOYA T. *See* Matsukado Y, 435
Grafts
Anterior cervical discectomy with and without interbody bone graft, 290
Repair of denuded cranial bone by bone splitting and free-skin grafting, 728
GRAHAM WH. *See* Rinaldi I, 100
GRAND W. *See* Glasauer FE, 116
GRANT J. *See* Zimmerman E, 372
GRATZL O, SCHMIEDEK P, SPETZLER R, STEINHOFF H, MARGUTH F. Clinical experience with extra-intracranial arterial anastomosis in 65 cases, 313
———. *See* Schmiedek P, 303
GREEN JR. Book review, 264
GREENBLATT SH. Cerebrospinal fluid creatine phosphokinase in acute subarachnoid hemorrhage, 50
GRIFFITH HB. *See* Torrens MJ, 176
GROSS CJ. *See* Allen GS, 585
———. *See* Allen GS, 594

HAASE J. Damage to a Hakim valve. Case report, 522
HABER B. *See* Kelly PJ, 342
HAGEN A. *See* White RP, 45
Hakim valves
Damage to a Hakim valve. Case report, 522
Halo apparatus
Treatment of Jefferson fracture with a halo apparatus. Report of two cases, 372
HAMLIN H. In memory of Henry L. Heyl. (Letter), 769
HAMMOCK MK. *See* Milhorat TH, 735
HAN SY, WITTEN DM, MUSSLEMAN JP. Jefferson fracture of the atlas. Report of six cases, 368
HAPPEL LT. *See* LeBlanc HJ, 269
HARRIS AB. *See* Dunker RO, 359
HARTLEY LE. *See* Anderson DK, 715
HASH CJ. *See* Shenkin HA, 148
HASHEMI RM. *See* Koozekanani SH, 429
HAWRYLYSHYN P. *See* Tasker RR, 458
Head trauma
Dynamic changes in regional CBF, intraventricular pressure, CSF pH and lactate levels during the acute phase of head injury, 191
Management of depressed skull fracture in the newborn, 62
Perforation of the skull by a Gardner-Wells tong. Case report, 119
Pituitary failure secondary to head trauma. Case report, 504
Retained intracranial metallic foreign bodies. Report of two cases, 80
Hematoma
Unoperated subdural hematomas. Long-term follow-up study by brain scan and electroencephalography, 601
Hemorrhage. *See* subarachnoid hemorrhage
HENDERSON LM. *See* Allen GS, 585
HENDRICK EB. Book review, 266
———. *See* Hoffman HJ, 258
———. *See* Hoffman HJ, 562
HENRY JM. *See* Ammerman BJ, 331
Heyl, Henry L.
In memory of Henry L. Heyl. (Letter), 769
HIROTA T. *See* Sugita K, 723
Histamines
Role of histamine in posttraumatic spinal cord

hyperemia and the luxury perfusion syndrome, 16
HODGE CJ JR. Book review, 525
———, KING RB. Medical modification of sensation, 21
HOFF JT, BREWIN A, U HS. Antibiotics for basilar skull fracture. (Letter), 649
HOFFMAN HJ, HENDRICK EB, HUMPHREYS RP. Metastasis via ventriculoperitoneal shunt in patients with medulloblastoma, 562
———, ———, ———. New lumboperitoneal shunt for communicating hydrocephalus. Technical note, 258
HOLLY EE. Mouth guide for operating microscope. Technical note, 642
HORWITZ NH. Neuroepithelial cysts. (Letter), 134
HOYT WF. Book review, 645
———. *See* Feinsod M, 29
HUKUDA S. *See* Amitani K, 626
HUMPHREYS RP. *See* Hoffman HJ, 258
———. *See* Hoffman HJ, 562
HUNT WE. Tolosa-Hunt syndrome: one cause of painful ophthalmoplegia, 544
———. *See* Goodman JH, 419
———. *See* Walker MD, 655
———. *See* Zimmerman E, 372
HUTCHISON HT. *See* Kelly PJ, 342
Hydatid disease
Vertebral hydatid disease. Clinical experience with 27 cases, 72
Hydrocephalus
Cerebrospinal fluid lactate and lactate/pyruvate ratios in hydrocephalus, 337
Cerebrospinal fluid shunt infections with anaerobic diphtheroids *(Propionibacterium species)*, 580
Damage to a Hakim valve. Case report, 522
Metastasis via ventriculoperitoneal shunt in patients with medulloblastoma, 562
New lumboperitoneal shunt for communicating hydrocephalus. Technical note, 258
Normal rate of cerebrospinal fluid formation five years after bilateral choroid plexectomy. Case report, 735
Simple test of shunt function: the shuntgram. Technical note, 121
Tension pneumocephalus after insertion of ventriculoperitoneal shunt for aqueductal stenosis. Case report, 383
VP and VA shunts compared. (Letter), 134
VP and VA shunts compared. (Response to letter), 135
Hydrostatic pressure
Body position and cerebrospinal fluid pressure. Part 1: Clinical studies on the effect of rapid postural changes, 687
Hygromas
Superimposed chronic hygromas. (Letter), 531
Superimposed chronic hygromas. (Response to letter), 531
Hyperemia
Role of histamine in posttraumatic spinal cord hyperemia and the luxury perfusion syndrome, 16
Hyperglycemia
Nonketotic hyperglycemic hyperosmolar coma. Report of neurosurgical cases with a review of mechanisms and treatment, 409
Hyperostosis
Juxtasellar hyperostosis of non-meningiomatous origin, 571
Hyperventilation
Effects of hyperventilation, CO_2, and CSF pressure on internal carotid blood flow in the baboon, 347
Hypotension
Changes in local cerebral blood flow following profound systemic hypotension, 215
Systemic hypotension in neurosurgery. (Letter), 651

IGARASHI S. *See* Shibuya S, 105
IGNELZI RJ. VP and VA shunts compared. (Response to letter), 135
IGUCHI I. *See* Sugita K, 723
Infection
Antibiotics for basilar skull fracture. (Letter), 649
Cerebrospinal fluid shunt infections with anaerobic diphtheroids *(Propionibacterium species)*, 580
Infections complicating the use of external ventriculostomy, 567
Intracranial pressure
Effect of intermittently raised intracranial pressure on breathing pattern, ventilatory response to CO_2, and blood gases in anesthetized cats, 156
Intraventricular pressure
Dynamic changes in regional CBF, intraventricular pressure, CSF pH and lactate levels during the acute phase of head injury, 191
ISHII R, UEKI K, ITO J. Traumatic fistula between a lacerated middle meningeal artery and a diploic vein. Case report, 241
ITO J. *See* Ishii R, 241

JACKSON I. *See* Shucart WA, 65
———. *See* Shucart WA, 768
Jacksonian seizures
Sensory Jacksonian seizures, 706
JACOBSON R. Book review, 763
JACQUES S, BULLARA LA, PUDENZ RH. Microvascular bipolar coagulator. Technical note, 523
———, FRESHWATER DB, SHELDEN CH. Primary osteogenic sarcoma of the brain. Case report, 92
JAFFE R. *See* Lusins J, 601
JAIN KK. *See* Yaşargil MG, 298
Jamieson, Kenneth G.
In memoriam: Kenneth G. Jamieson, 771
Jefferson fracture
Jefferson fracture of the atlas. Report of six cases, 368
Treatment of Jefferson fracture with a halo apparatus. Report of two cases, 372
JENNETT S, NORTH JB. Effect of intermittently raised intracranial pressure on breathing pattern, ventilatory response to CO_2, and blood gases in anesthetized cats, 156
JENSEN F, PETERSEN NC. Repair of denuded cranial bone by bone splitting and free-skin grafting, 728
JENSEN FT. *See* Enevoldsen EM, 191
JOLLEY T. *See* Loeser JD, 62
JONES T. *See* Kapp JP, 393

Index

KAMISASA A. *See* Nagashima C, 248
KAPLAN HA, BROWDER J. Aneurysm of a superior cerebral vein, 296
———. *See* Browder J, 55
KAPP JP, ALFRED HC, JONES T. Isotope sinograms. Technical note, 393
———, ROBERTSON JT, WHITE RP. Spasmogenic qualities of prostaglandin $F_{2\alpha}$ in the cat, 173
KASDAGLIS K. *See* Yaşargil MG, 298
KASDON DL, ALTEMUS LR, STEIN BM. Embolization of a traumatic arteriovenous fistula of the scalp with radiopaque Gelfoam pledgets. Case report and technical note, 753
KAWANUMA S. *See* Nagashima C, 248
KELLY PJ, SUDDITH RL, HUTCHISON HT, WERRBACH K, HABER B. Endothelial growth factor present in tissue culture of CNS tumors, 342
———. *See* McCormick WF, 513
KEMPE LG. Book review, 130
———. *See* Blaylock RL, 500
KEMPER TL. *See* Nakagaki H, 3
KENNERDELL JS. *See* Maroon JC, 556
KHAYYAT GF. *See* Feldman RA, 119
KILBURN HL. *See* Loeser JD, 62
KIM S. *See* Terao H, 638
KINDT GW. *See* Raisis JE, 337
KING JS. Trochlear nerve sheath tumor. Case report, 245
KING RB. Book review, 765
———. *See* Hodge CJ Jr, 21
KIRSCH WM. *See* Law JD, 226
KLINE DG. *See* LeBlanc HJ, 269
KOBRINE AI, DOYLE TF. Role of histamine in post-traumatic spinal cord hyperemia and the luxury perfusion syndrome, 16
———, ———, NEWBY N, RIZZOLI HV. Preserved autoregulation in the rhesus spinal cord after high cervical cord section, 425
———, ———, RIZZOLI HV. Spinal cord blood flow as affected by changes in systemic arterial blood pressure, 12
———. *See* Martins AN, 353
KOHLER WC. Book review, 396
KOOZEKANANI SH, VISE WM, HASHEMI RM, McGEE RB. Possible mechanisms for observed pathophysiological variability in experimental spinal-cord injury by the method of Allen, 429
KOSNIK EJ, MEAGHER JN, QUENEMOEN LR. Parietal intradiploic encephalocele. Case report, 617
———. *See* Dewey RC, 121
KRIEGER AJ. *See* Browder J, 55
KRISHNA REDDY P. *See* Raman PT, 550
KUNC Z, BRET J. Persisting embryonal arterial communication between vertebral artery and subclavian vein. Case report, 632
KURTZ D. *See* Penn RD, 449

Lactate
  Cerebrospinal fluid lactate and electrolyte levels following experimental spinal cord injury, 715
  Cerebrospinal fluid lactate and lactate/pyruvate ratios in hydrocephalus, 337
LAMORGESE J. *See* Tabaddor K, 506
LASTER DW. *See* Quencer RM, 485
LAVINE LS. *See* Epstein JA, 139
LAW JD, LEHMAN RAW, KIRSCH WM, EHNI G. Diagnosis and treatment of abscess of the central ganglia, 226
LAYTON DD. *See* Reagan TJ, 186
LEBLANC HJ, HAPPEL LT, KLINE DG. Spinal cord evoked response. (Letter), 269
LEE KF, SCHATZ NJ, EDEIKEN J, LIN S-R, TSAI F-Y. Juxtasellar hyperostosis of non-meningiomatous origin, 571
LEE SH, OSBORN MA, BUCHHEIT WA. Glioma of the jugular foramen. Case report, 493
LEHMAN RAW. *See* Law JD, 226
LENDE RA, POPP AJ. Sensory Jacksonian seizures, 706
Lesions
  Fibromatosis presenting as a cranial mass lesion. Case report, 237
  Orbicularis oculi reflex and facial muscle electromyography. Pre- and postoperative evaluation of posterior fossa space-occupying lesions, 550
LEVENTHAL CM. *See* Walker MD, 655
Ley-Gracia, Adolfo
  In memoriam: Adolfo Ley-Gracia, 653
LIN S-R. *See* Lee KF, 571
Lipoma
  Intradural lipomas of the spinal cord. A clinicopathological correlation, 331
LITTLE JR, MACCARTY CS. Tension pneumocephalus after insertion of ventriculoperitoneal shunt for aqueductal stenosis. Case report, 383
LIVINGSTON KE. Book review, 527
Lobe, temporal
  Postirradiation necrosis of the temporal lobe presenting as a glioma. Case report, 732
LOESER JD, KILBURN HL, JOLLEY T. Management of depressed skull fracture in the newborn, 62
LUESSENHOP AJ. Book review, 399
LUKIN R. *See* Chambers AA, 623
LUSINS J, JAFFE R, BENDER MB. Unoperated subdural hematomas. Long-term follow-up study by brain scan and electroencephalography, 601
Luxury perfusion
  Role of histamine in posttraum[illegible] spinal cord hyperemia and the luxury per[illegible]sion syndrome, 16
  Tumor volume, luxury perfusion, and regional blood volume changes in man visualized by subtraction computerized tomography, 449

MACCARTY CS. *See* Little JR, 383
MACGREGOR BJL, GAWLER J, SOUTH JR. Intracranial epithelial cysts. Report of two cases, 109
MAGNAES B. Body position and cerebrospinal fluid pressure. Part 1: Clinical studies on the effect of rapid postural changes, 687
———. Body position and cerebrospinal fluid pressure. Part 2: Clinical studies on orthostatic pressure and the hydrostatic indifferent point, 698
Magnesium
  Cerebral arterial spasm. Part 4: *In vitro* effects of

temperature, serotonin analogues, large non-physiological concentrations of serotonin, and extracellular calcium and magnesium on serotonin-induced contractions of the canine basilar artery, 585
MAHALEY MS JR. *See* Walker MD, 655
MALMROS R. *See* Enevoldsen EM, 191
Mapping
Computer-mapping of brain-stem sensory centers in man, 458
MARGUTH F. *See* Gratzl O, 313
———. *See* Schmiedek P, 303
MAROON JC, KENNERDELL JS. Lateral microsurgical approach to intraorbital tumors, 556
MARTINS AN. Anterior cervical discectomy with and without interbody bone graft, 290
———, NEWBY N, DOYLE TF, KOBRINE AI, RAMIREZ A. Effect of intracisternal phentolamine on cerebral blood flow after subarachnoid injection of blood, 353
MATSUKADO Y, YOSHIDA M, GOYA T, SHIMOJI K. Classification of cervical spondylosis or disc protrusion by preoperative evoked spinal electrogram. Follow-up study, 435
MAURICE-WILLIAMS RS. Superimposed chronic hygromas. (Response to letter), 531
MAXWELL JA, PITKETHLY DT. Percutaneous RF denervation of spinal facets. (Letter), 269
MAZOYER J-F. *See* Sindou M, 325
MAZZOLA R. American Association of Neurosurgical Nurses. (Letter), 532
MCCORMICK WF, KELLY PJ, SARWAR M. Fatal paradoxical muscle embolization in traumatic carotid-cavernous fistula repair. Case report, 513
MCGAULEY JL, MILLER CA, PENNER JA. Intravascular coagulation following trauma. (Response to letter), 400
MCGEE RB. *See* Koozekanani SH, 429
MCGILLICUDDY JE. *See* Raisis JE, 337
MCGRAW CP. *See* Rudenberg FH, 347
MCLENNAN JE, MICKLE JP, TREVES S. Radionuclide cisternographic evaluation and follow-up of post-traumatic subconjunctival CSF loculation. Case report, 496
MEACHAM WF. Book review, 526
———, NETSKY MG. Nonketotic hyperglycemic hyperosmolar coma. Report of neurosurgical cases with a review of mechanisms and treatment, 409
MEAGHER JN. *See* Kosnik EJ, 617
MEALEY J. *See* Walker MD, 655
MEANS ED. *See* Anderson DK, 715
Medial aspect
Functional representation on the medial aspect of the frontal lobes in man, 275
Medulloblastoma
Metastasis via ventriculoperitoneal shunt in patients with medulloblastoma, 562
MEIROWSKY AM. Book review, 526
MERIWETHER RP, BARNETT HG 2ND, ECHOLS DH. Moyamoya disease as a cause of subarachnoid hemorrhage in a Negro patient. Case report, 620
MERRY GS, APPLETON DB. Spinal arterial malformation in a child with hereditary hemorrhagic telangiectasia. Case report, 613
Metastasis
Metastasis via ventriculoperitoneal shunt in patients with medulloblastoma, 562
MEYER JS. Book review, 396
MICKLE JP. *See* McLennan JE, 496
Microscopy
Mouth guide for operating microscope. Technical note, 642
Microsurgery (*See also* aneurysm clips; surgical approaches; surgical instruments)
Lateral microsurgical approach to intraorbital tumors, 556
Microblock for occlusion of small vessels. Technical note, 757
Microvascular bipolar coagulator. Technical note, 523
Microvascular bypass surgery. Part 1: Anatomical studies, 712
Treatment of acromegaly by transsphenoidal microsurgery, 677
Microvascular occlusion
Microblock for occlusion of small vessels. Technical note, 757
Micturition
Management of the uninhibited bladder by selective sacral neurectomy, 176
MILHORAT TH. Book review, 129
———, HAMMOCK MK, CHIEN T, DAVIS DA. Normal rate of cerebrospinal fluid formation five years after bilateral choroid plexectomy. Case report, 735
MILLER CA. *See* McGauley JL, 400
———. *See* Raisis JE, 337
Mithramycin
Evaluation of mithramycin in the treatment of anaplastic gliomas, 655
MIZUTANI T. *See* Sugita K, 723
MONELL E. *See* Gamache FW Jr, 215
Monitoring procedures
Chronic measurement of epidural pressure with an induction-powered oscillator transducer, 465
Monitoring optic nerve function during craniotomy, 29
MOORE J. *See* Ausman JI, 84
MOTTI EDF. *See* Giovanelli MA, 677
MOUNT F. *See* Sarnowski RJ, 270
Moyamoya disease
Moyamoya disease as a cause of subarachnoid hemorrhage in a Negro patient. Case report, 620
MUJICA P. *See* Apt WL, 72
MURRAY JWG. Suprascapular entrapment neuropathy. (Letter), 649
Muscle embolization
Fatal paradoxical muscle embolization in traumatic carotid-cavernous fistula repair. Case report, 513
MUSSLEMAN JP. *See* Han SY, 368
Myelopathy
Delayed cervical myelopathy caused by bomb shell fragment. Case report, 626
MYERS RE. *See* Gamache FW Jr, 215
Myxochondrosarcoma
Myxochondrosarcoma of the fourth ventricle. Case report, 386

Index

NAGASHIMA C, SAKAGUCHI A, KAMISASA A, KAWANUMA S. Cardiovascular complications on upper vagal rootlet section for glossopharyngeal neuralgia. Case report, 248

NAKAGAKI H, BRUNHART G, KEMPER TL, CAVENESS WF. Monkey brain damage from radiation in the therapeutic range, 3

Necrosis
- Postirradiation necrosis of the temporal lobe presenting as a glioma. Case report, 732

Nerve roots
- Cardiovascular complications on upper vagal rootlet section for glossopharyngeal neuralgia. Case report, 248

Nerves, sacral
- Management of the uninhibited bladder by selective sacral neurectomy, 176

Nerves, trochlear
- Trochlear nerve sheath tumor. Case report, 245

NETSKY MG. *See* Meacham WF, 409

Neuralgia, glossopharyngeal
- Cardiovascular complications on upper vagal rootlet section for glossopharyngeal neuralgia. Case report, 248

Neuropathy
- Suprascapular entrapment neuropathy. (Letter), 649
- Suprascapular entrapment neuropathy. (Response to letter), 650

Neurosurgery
- Invited editorial: The neurosurgeon's responsibility for organ procurement, 1

NEWBY N. *See* Kobrine AI, 425

———. *See* Martins AN, 353

NEWTON TH. *See* Strother CM, 262

Nitrosoureas
- Controlled study of CCNU and radiation therapy in malignant astrocytome, 186

NORRELL HA. *See* Walker MD, 655

NORTH JB. *See* Jennett S, 156

NUTIK S, DILENGE D. Carotid-anterior cerebral artery anastomosis. Case report, 378

Obituaries
- In memoriam: Arthur E. Childe, 271
- In memoriam: Leo M. Davidoff, 400
- In memory of Henry L. Heyl. (Letter), 769
- In memoriam: Kenneth G. Jamieson, 771
- In memoriam: Adolfo Ley-Gracia, 653
- In memoriam: Frank Otenasek, 534
- In memoriam: Wilder Penfield, 771
- In memoriam: Samuel R. Snodgrass, 271
- In memoriam: Davut Tovi, 271

Occlusion
- Microblock for occlusion of small vessels. Technical note, 757

Ophthalmoplegia
- Tolosa-Hunt syndrome: one cause of painful ophthalmoplegia, 544

Optic nerve
- Monitoring optic nerve function during craniotomy, 29

Orbicularis oculi reflex
- Orbicularis oculi reflex and facial muscle electromyography. Pre- and postoperative evaluation of posterior fossa space-occupying lesions, 550

Orbit
- Lateral microsurgical approach to intraorbital tumors, 556
- Surgical removal of orbital osteoma. Case report, 233

Organ donation
- Invited editorial: The neurosurgeon's responsibility for organ procurement, 1

ORGAN LW. *See* Tasker RR, 458

Orthostatic pressure
- Body position and cerebrospinal fluid pressure. Part 2: Clinical studies on orthostatic pressure and the hydrostatic indifferent point, 698

OSBORN MA. *See* Lee SH, 493

Osteoclastoma
- Osteoclastoma of the thoracic spine. Case report, 748

Osteoma
- Surgical removal of orbital osteoma. Case report, 233

Otenasek, Frank
- In memoriam: Frank Otenasek, 534

OTT K, TARLOV E, CROWELL R, PAPADAKIS N. Retained intracranial metallic foreign bodies. Report of two cases, 80

OWENS G. *See* Walker MD, 655

Pacchionian granulations
- Pacchionian granulations. (Letter), 270

Pain
- Aneurysm of the inferior gluteal artery causing sciatic pain. Case report, 100
- Medical modification of sensation, 21
- Tolosa-Hunt syndrome: one cause of painful ophthalmoplegia, 544

PAPADAKIS N. *See* Ott K, 80

PARACCHI A. *See* Giovanelli MA, 677

Paralysis
- Survey of tetraplegia resulting from anterior cervical discectomy and fusion. (Letter), 653

PARKINSON D. Book review, 398

PEACH WF JR. *See* Rinaldi I, 100

Pediatrics
- Management of depressed skull fracture in the newborn, 62

Penfield, Wilder
- In memoriam: Wilder Penfield, 771

PENN RD, WALSER R, KURTZ D, ACKERMAN L. Tumor volume, luxury perfusion, and regional blood volume changes in man visualized by subtraction computerized tomography, 449

PENNER JA. *See* McGauley JL, 400

PÉREZ C. *See* Apt WL, 72

PETERSEN NC. *See* Jensen F, 728

Phentolamine
- Effect of intracisternal phentolamine on cerebral

blood flow after subarachnoid injection of blood, 353
PIALAT J. *See* Sindou M, 325
PITKETHLY DT. *See* Maxwell JA, 269
Pituitary
Intracranial ectopic pituitary adenoma. Case report, 96
Pituitary failure secondary to head trauma. Case report, 504
Suprasellar osteogenic sarcoma following radiation for pituitary adenoma. Case report, 88
Treatment of acromegaly by transsphenoidal microsurgery, 677
Plateau waves
Body position and cerebrospinal fluid pressure. Part 1: Clinical studies on the effect of rapid postural changes, 687
Pneumocephalus
Tension pneumocephalus after insertion of ventriculoperitoneal shunt for aqueductal stenosis. Case report, 383
POOL JL. Muslin gauze in intracranial vascular surgery. Technical note, 127
POPP AJ. *See* Lende RA, 706
Posterior fossa
Orbicularis oculi reflex and facial muscle electromyography. Pre- and postoperative evaluation of posterior fossa space-occupying lesions, 550
Posture
Body position and cerebrospinal fluid pressure. Part 1: Clinical studies on the effect of rapid postural changes, 687
Body position and cerebrospinal fluid pressure. Part 2: Clinical studies on orthostatic pressure and the hydrostatic indifferent point, 698
PREISSIG RS, PREISSIG SH, GOREE JA. Angiographic demonstration of a cerebral venous angioma. Case report, 628
PREISSIG SH. *See* Preissig RS, 628
Pressure measurement
Chronic measurement of epidural pressure with an induction-powered oscillator transducer, 465
Comparative study of the pressure of various aneurysm clips, 723
PROCKOP LD. *See* Anderson DK, 715
Prostaglandins
Spasmogenic qualities of prostaglandin $F_{2\alpha}$ in the cat, 173
PUDENZ RH. *See* Jacques S, 523

QUENCER RM, TENNER MS, ROTHMAN LM, LASTER DW. Jugular venography for evaluation of abnormalities of the skull base, 485
———. *See* Rothman LM, 96
QUENEMOEN LR. *See* Kosnik EJ, 617
QUEST DO, SALCMAN M. Fibromatosis presenting as a cranial mass lesion. Case report, 237

RAAF J. *See* Shipps FC, 759
Radiation therapy
Controlled study of CCNU and radiation therapy in malignant astrocytoma, 186
Monkey brain damage from radiation in the therapeutic range, 3
Postirradiation necrosis of the temporal lobe presenting as a glioma. Case report, 732
Suprasellar osteogenic sarcoma following radiation for pituitary adenoma. Case report, 88
Radiofrequency
Cerebrovascular accident after percutaneous rf thermocoagulation of the trigeminal ganglion. Case report, 376
Percutaneous RF denervation of spinal facets. (Letter), 269
Radionuclides
Radionuclide cisternographic evaluation and follow-up of posttraumatic subconjunctival CSF loculation. Case report, 496
RAISIS JE, KINDT GW, MCGILLICUDDY JE, MILLER CA. Cerebrospinal fluid lactate and lactate/pyruvate ratios in hydrocephalus, 337
RALSTON BL. Compound elevated fractures of the skull. Report of two cases, 77
RAMAN PT, KRISHNA REDDY P, RAO SV. Orbicularis oculi reflex and facial muscle electromyography. Pre- and postoperative evaluation of posterior fossa space-occupying lesions, 550
RAMIREZ A. *See* Martins AN, 353
RANSOHOFF J. Book review, 528
———. *See* Walker MD, 655
RAO SV. *See* Raman PT, 550
RAWE SE, VANGILDER JC. Surgical removal of orbital osteoma. Case report, 233
REAGAN TJ, BISEL HF, CHILDS DS JR, LAYTON DD, RHOTON AL JR, TAYLOR WF. Controlled study of CCNU and radiation therapy in malignant astrocytoma, 186
Respiration
Effect of intermittently raised intracranial pressure on breathing pattern, ventilatory response to CO_2, and blood gases in anesthetized cats, 156
Effects of hyperventilation, CO_2, and CSF pressure on internal carotid blood flow in the baboon, 347
Revascularization
Microvascular bypass surgery. Part 1: Anatomical studies, 712
Spontaneous cerebral revascularization in a patient with STA-MCA anastomosis. Case report, 84
RHOTON AL JR. Book review, 396
———. *See* Reagan TJ, 186
RINALDI I, FITZER PM, WHITLEY DF, PEACH WF JR, UMSTOTT CE, GRAHAM WH, WINFREY EW. Aneurysm of the inferior gluteal artery causing sciatic pain. Case report, 100
RISH BL. Cerebrovascular accident after percutaneous rf thermocoagulation of the trigeminal ganglion. Case report, 376
Risk factors
Selection of patients for extra-intracranial arterial bypass surgery based on rCBF measurements, 303
RIZZOLI HV. *See* Kobrine AI, 425
———. *See* Kobrine AI, 12
ROBERTSON JT. *See* Kapp JP, 173
———. *See* White RP, 45

Index

ROSENTHAL AD. *See* Epstein JA, 139
ROSOMOFF HL. Book review, 398
ROTHMAN LM, SHER J, QUENCER RM, TENNER MS. Intracranial ectopic pituitary adenoma. Case report, 96
———. *See* Quencer RM, 485
ROWE IH. *See* Tasker RR, 458
ROWED DW. *See* Tator CH, 254
RUDENBERG FH, MCGRAW CP, TINDALL GT. Effects of hyperventilation, CO_2, and CSF pressure on internal carotid blood flow in the baboon, 347
RYLANDER HG, TAYLOR HL, WISSINGER JP, STORY JL. Chronic measurement of epidural pressure with an induction-powered oscillator transducer, 465

SACHS E JR. Book review, 132
Sacral neurectomy
  Management of the uninhibited bladder by selective sacral neurectomy, 176
SAKAGUCHI A. *See* Nagashima C, 248
SALCMAN M. *See* Quest DO, 237
Sarcoidosis
  Sarcoidosis of the spinal cord. Case report, 740
Sarcoma
  Brain and bone scans in primary Ewing's sarcoma of the petrous bone. Case report, 608
  Primary osteogenic sarcoma of the brain. Case report, 92
  Suprasellar osteogenic sarcoma following radiation for pituitary adenoma. Case report, 88
SARNOWSKI RJ, CRACCO RQ, VOGEL H, MOUNT F. Spinal cord evoked response. (Response to letter), 270
SARWAR M. *See* McCormick WF, 513
SATO H. *See* Shibuya S, 105
SATO S. *See* Terao H, 638
SAYERS MP. *See* Dewey RC, 121
———. *See* Venes JL, 390
Scalp defects
  Repair of denuded cranial bone by bone splitting and free-skin grafting, 728
SCARFF JE. Book review, 529
SCHATZ NJ. *See* Lee KF, 571
SCHMIEDEK P, GRATZL O, SPETZLER R, STEINHOFF H, ENZENBACH R, BRENDEL W, MARGUTH F. Selection of patients for extra-intracranial arterial bypass surgery based on rCBF measurements, 303
———. *See* Gratzl O, 313
SCHOSSBERGER P. Diabetes insipidus in neurosurgical patients. (Letter), 768
SCOTT M. Superimposed chronic hygromas. (Letter), 531
SCOTT RM, DICKERSIN GR, WOLPERT SM, TWITCHELL T. Myxochondrosarcoma of the fourth ventricle. Case report, 386
Seizures
  Cerebral arterial dolichoectasia with seizure. Case report, 509
  Sensory Jacksonian seizures, 706
SELHORST JB. *See* Feinsod M, 29
Sella
  Juxtasellar hyperostosis of non-meningiomatous origin, 571
SENGUPTA RP. Systemic hypotension in neurosurgery. (Letter), 651
———, SO SC, VILLAREJO-ORTEGA FJ. Use of epsilon aminocaproic acid (EACA) in the preoperative management of ruptured intracranial aneurysms, 479
Sensory centers
  Computer-mapping of brain-stem sensory centers in man, 458
Serotonin
  Cerebral arterial spasm. Part 4: *In vitro* effects of temperature, serotonin analogues, large non-physiological concentrations of serotonin, and extracellular calcium and magnesium on serotonin-induced contractions of the canine basilar artery, 585
SHELDEN CH. *See* Jacques S, 92
SHENKIN HA, HASH CJ. New approach to the surgical treatment of lumbar spondylosis, 148
SHER J. *See* Rothman LM, 96
SHIBUYA S, IGARASHI S, AMO T, SATO H, FUKUMITSU T. Mycotic aneurysms of the internal carotid artery. Case report, 105
SHIMOJI K. *See* Matsukado Y, 435
SHIPPS FC, D'AGOSTINO A, RAAF J. Brain-cutting device for correlation of brain scan and autopsy section. Technical note, 759
SHUCART WA, JACKSON I. Diabetes insipidus in neurosurgical patients. (Response to letter), 768
———, ———. Management of diabetes insipidus in neurosurgical patients, 65
Shunts
  Cerebrospinal fluid shunt infections with anaerobic diphtheroids *(Propionibacterium species)*, 580
  Damage to a Hakim valve. Case report, 522
  Metastasis via ventriculoperitoneal shunt in patients with medulloblastoma, 562
  New lumboperitoneal shunt for communicating hydrocephalus. Technical note, 258
  Simple test of shunt function: the shuntgram. Technical note, 121
  Tension pneumocephalus after insertion of ventriculoperitoneal shunt for aqueductal stenosis. Case report, 383
  VP and VA shunts compared. (Letter), 134
  VP and VA shunts compared. (Response to letter), 135
SIMMONS SR. *See* Thompson JR, 509
SIMON RH. *See* Everett ED, 580
SINDOU M, MAZOYER J-F, FISCHER G, PIALAT J, FOURCADE C. Experimental bypass for sagittal sinus repair. Preliminary report, 325
Sinus
  Anatomical features of the straight sinus and its tributaries. Clinical correlations, 55
  Experimental bypass for sagittal sinus repair. Preliminary report, 325
  Isotope sinograms. Technical note, 393
  Sagittal synostectomy. Technical note, 390
Skull deformities
  Jugular venography for evaluation of abnormalities of the skull base, 485
Skull fracture
  Antibiotics for basilar skull fracture. (Letter), 649

Jefferson fracture of the atlas. Report of six cases, 368
Management of depressed skull fracture in the newborn, 62
Treatment of Jefferson fracture with a halo apparatus. Report of two cases, 372
Skull fractures
Compound elevated fractures of the skull. Report of two cases, 77
Skull tongs
Perforation of the skull by a Gardner-Wells tong. Case report, 119
SMITH RW, ALKSNE JF. Infections complicating the use of external ventriculostomy, 567
Snodgrass, Samuel R.
In memoriam: Samuel R. Snodgrass, 271
SNYDER R, TOWFIGHI J, GONATAS NK. Sarcoidosis of the spinal cord. Case report, 740
So SC. *See* Sengupta RP, 479
SOUTH JR. *See* MacGregor BJL, 109
SPETZLER R. *See* Chater N, 712
———. *See* Gratzl O, 313
———. *See* Schmiedek P, 303
Sphenoid
Treatment of acromegaly by transsphenoidal microsurgery, 677
SPILLANE JD. Book review, 131
Spinal cord
Classification of cervical spondylosis or disc protrusion by preoperative evoked spinal electrogram. Follow-up study, 435
Intradural lipomas of the spinal cord. A clinicopathological correlation, 331
Preserved autoregulation in the rhesus spinal cord after high cervical cord section, 425
Spinal cord mass
Sarcoidosis of the spinal cord. Case report, 740
Spinal cord trauma
Cerebrospinal fluid lactate and electrolyte levels following experimental spinal cord injury, 715
Delayed cervical myelopathy caused by bomb shell fragment. Case report, 626
Early management of spinal cord trauma. (Letter), 766
Early management of spinal cord trauma. (Response to letter), 766
Possible mechanisms for observed pathophysiological variability in experimental spinal cord injury by the method of Allen, 429
Role of histamine in posttraumatic spinal cord hyperemia and the luxury perfusion syndrome, 16
Ultrastructural blood-brain barrier alterations and edema formation in acute spinal cord trauma, 419
Spine, cervical
Chondrosarcoma of the cervical spine. Case report, 500
Spine, thoracic
Osteoclastoma of the thoracic spine. Case report, 748
Spondylolisthesis
Degenerative lumbar spondylolisthesis with an intact neural arch (pseudospondylolisthesis), 139
Spondylosis
Classification of cervical spondylosis or disc protrusion by preoperative evoked spinal electrogram. Follow-up study, 435
New approach to the surgical treatment of lumbar spondylosis, 148
STEFFEY WR. *See* Fitzer PM, 608
STEIN BM. *See* Garrido E, 517
———. *See* Kasdon DL, 753
STEINHOFF H. *See* Gratzl O, 313
———. *See* Schmiedek P, 303
Stenosis
Tension pneumocephalus after insertion of ventriculoperitoneal shunt for aqueductal stenosis. Case report, 383
STERN WE. Effects of collagenase on monkey intervertebral discs. (Response to letter), 768
———, COULSON WF. Effects of collagenase upon the intervertebral disc in monkeys, 32
Stimulation
Percutaneous trial for implantable stimulating devices. (Letter), 650
Spinal cord evoked response. (Letter), 269
Spinal cord evoked response. (Response to letter), 270
STORY JL. *See* Rylander HG, 465
STROTHER CM, NEWTON TH. Method of needle immobilization for ventriculography. Technical note, 262
Subarachnoid hemorrhage
Cerebrospinal fluid creatine phosphokinase in acute subarachnoid hemorrhage, 50
Moyamoya disease as a cause of subarachnoid hemorrhage in a Negro patient. Case report, 620
SUDDITH RL. *See* Kelly PJ, 342
SUGAR O. *See* Amine ARC, 88
SUGITA K, HIROTA T, IGUCHI I, MIZUTANI T. Comparative study of the pressure of various aneurysm clips, 723
SUNDT TM JR. Book review, 646
Surgical approaches
Lateral microsurgical approach to intraorbital tumors, 556
Surgical anatomy of the proximal anterior cerebral artery, 359
Treatment of acromegaly by transsphenoidal microsurgery, 677
Surgical instruments
Brain-cutting device for correlation of brain scan and autopsy section. Technical note, 759
Comparative study of the pressure of various aneurysm clips, 723
Mouth guide for operating microscope. Technical note, 642
Muslin gauze in intracranial vascular surgery. Technical note, 127
Perforation of the skull by a Gardner-Wells tong. Case report, 119
SUSSMAN BJ. Early management of spinal cord trauma. (Letter), 766
———. Effects of collagenase on monkey intervertebral discs. (Letter), 767

Index

TABADDOR K, LAMORGESE J. Complications of a large cranial defect. Case report, 506

TAPTAS JN. Treatment of bilateral carotid-cavernous fistulas. (Letter), 268

TARLOV E. *See* Ott K, 80

TASKER RR, ROWE IH, HAWRYLYSHYN P, ORGAN LW. Computer-mapping of brain-stem sensory centers in man, 458

TATOR CH, ROWED DW. Fluoroscopy of foramen ovale as an aid to thermocoagulation of the Gasserian ganglion. Technical note, 254

———. *See* Wassenaar W, 668

TAYLOR HL. *See* Rylander HG, 465

TAYLOR WF. *See* Reagan TJ, 186

Telangiectasia
- Spinal arterial malformation in a child with hereditary hemorrhagic telangiectasia. Case report, 613

TENNER MS. *See* Quencer RM, 485

———. *See* Rothman LM, 96

TERAO H, SATO S, KIM S. Gardner's syndrome involving the skull, dura, and brain. Case report, 638

Tetraplegia
- Survey of tetraplegia resulting from anterior cervical discectomy and fusion. (Letter), 653

Thermocoagulation
- Cerebrovascular accident after percutaneous rf thermocoagulation of the trigeminal ganglion. Case report, 376
- Fluoroscopy of foramen ovale as an aid to thermocoagulation of the Gasserian ganglion. Technical note, 254

THOMPSON JR, WEINSTEIN PR, SIMMONS SR. Cerebral arterial dolichoectasia with seizure. Case report, 509

THRON CD. Book review, 527

TINDALL GT. *See* Rudenberg FH, 347

Tissue culture
- Endothelial growth factor present in tissue culture of CNS tumors, 342

Tolosa-Hunt syndrome
- Tolosa-Hunt syndrome: one cause of painful ophthalmoplegia, 544

Tomography
- Brain-cutting device for correlation of brain scan and autopsy section. Technical note, 759
- Tumor volume, luxury perfusion, and regional blood volume changes in man visualized by subtraction computerized tomography, 449

TONNEMACHER K. *See* Chater N, 712

TORRENS MJ, GRIFFITH HB. Management of the uninhibited bladder by selective sacral neurectomy, 176

Tovi, Davut
- In memoriam: Davut Tovi, 271

TOWFIGHI J. *See* Snyder R, 740

Tracers
- Carbohydrates as potential diagnostic tracers for brain tumors, 668

Traction
- Treatment of Jefferson fracture with a halo apparatus. Report of two cases, 372

Transient ischemic attacks
- Microvascular bypass surgery. Part 1: Anatomical studies, 712

Transplantation
- Invited editorial: The neurosurgeon's responsibility for organ procurement, 1

Trauma
- Intravascular coagulation following trauma. (Letter), 400
- Intravascular coagulation following trauma. (Response to letter), 400

TREVES S. *See* McLennan JE, 496

TSAI F-Y. *See* Lee KF, 571

TSUNEKAWA N. *See* Chambers AA, 623

TSUYUGUCHI Y. *See* Amitani K, 626

Tumor volume
- Tumor volume, luxury perfusion, and regional blood volume changes in man visualized by subtraction computerized tomography, 449

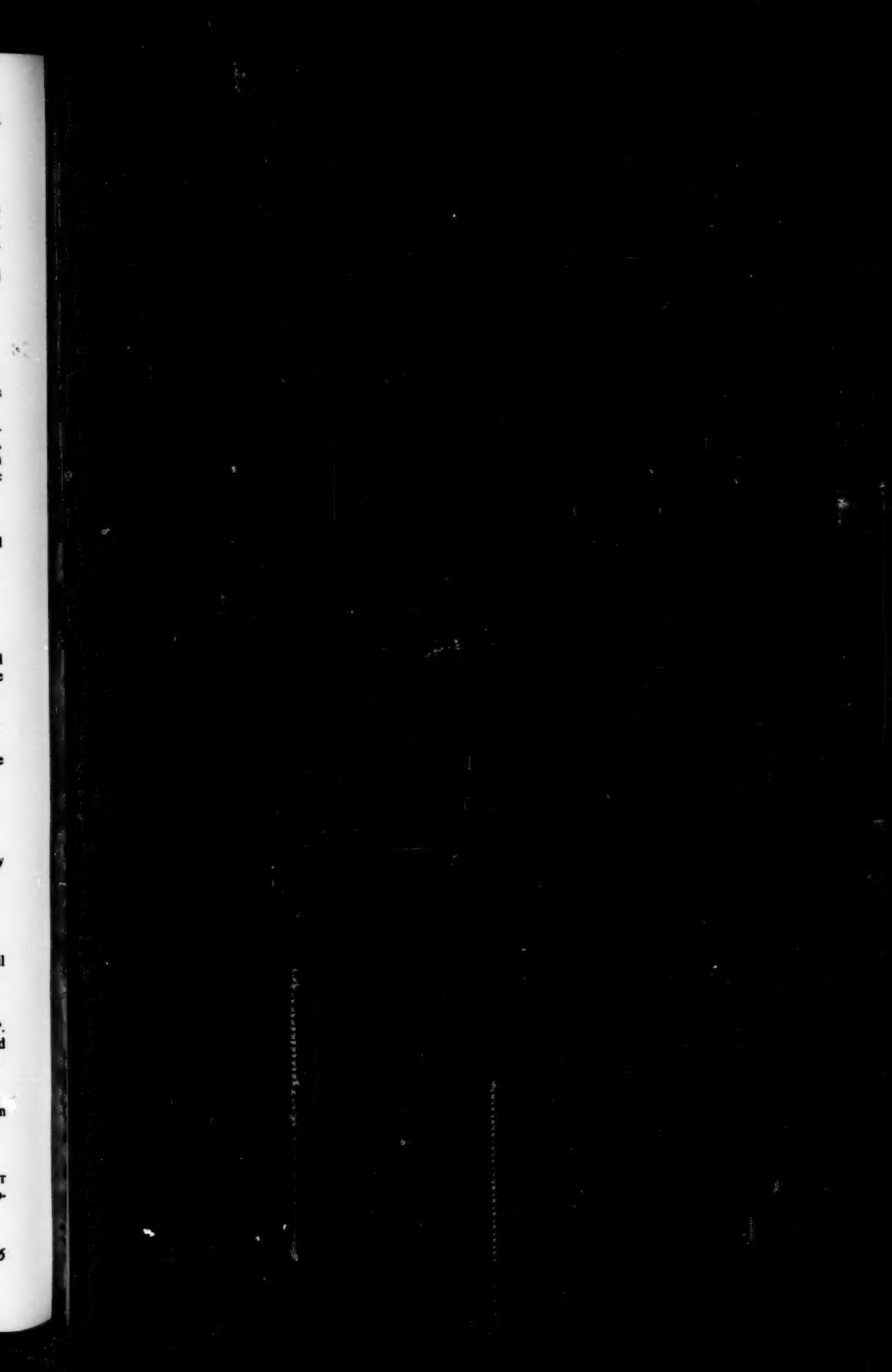
Tumors
- Angiographic demonstration of a cerebral venous angioma. Case report, 628
- Brain and bone scans in primary Ewing's sarcoma of the petrous bone. Case report, 608
- Calcification in a chromophobe adenoma. Case report, 623
- Carbohydrates as potential diagnostic tracers for brain tumors, 668
- Chondrosarcoma of the cervical spine. Case report, 500
- Controlled study of CCNU and radiation therapy in malignant astrocytoma, 186
- Endothelial growth factor present in tissue culture of CNS tumors, 342
- Evaluation of mithramycin in the treatment of anaplastic gliomas, 655
- Glioblastoma multiforme in children, 442
- Glioma of the jugular foramen. Case report, 493
- Intracranial ectopic pituitary adenoma. Case report, 96
- Intradural lipomas of the spinal cord. A clinicopathological correlation, 331
- Lateral microsurgical approach to intraorbital tumors, 556
- Metastasis via ventriculoperitoneal shunt in patients with medulloblastoma, 562
- Myxochondrosarcoma of the fourth ventricle. Case report, 386
- Osteoclastoma of the thoracic spine. Case report, 748
- Postirradiation necrosis of the temporal lobe presenting as a glioma. Case report, 732
- Primary osteogenic sarcoma of the brain. Case report, 92
- Rapid arteriovenous shunting in a spinal cord ependymoma. Case report, 744
- Superimposed chronic hygromas. (Letter), 531
- Superimposed chronic hygromas. (Response to letter), 531
- Suprasellar osteogenic sarcoma following radiation for pituitary adenoma. Case report, 88
- Surgical removal of orbital osteoma. Case report, 233
- Trochlear nerve sheath tumor. Case report, 245
- Unoperated subdural hematomas. Long-term follow-up study by brain scan and electroencephalography, 601

TURNBULL I. Survey of tetraplegia resulting from anterior cervical discectomy and fusion. (Letter), 653
TWITCHELL T. *See* Scott RM, 386

U HS. *See* Hoff JT, 649
———. *See* Wilson CB, 537
UEKI K. *See* Ishii R, 241
Ultrastructure
Ultrastructural blood-brain barrier alterations and edema formation in acute spinal cord trauma, 419
UMSTOTT CE. *See* Rinaldi I, 100

Valves, Hakim
Damage to a Hakim valve. Case report, 522
VAN BUREN JM. Book review, 395
———, FEDIO P. Functional representation on the medial aspect of the frontal lobes in man, 275
VANGILDER JC. *See* Rawe SE, 233
Vascular clips
Comparative study of the pressure of various aneurysm clips, 723
Vasospasm
Cerebral arterial spasm. Part 4: *In vitro* effects of temperature, serotonin analogues, large non-physiological concentrations of serotonin, and extracellular calcium and magnesium on serotonin-induced contractions of the canine basilar artery, 585
Cerebral arterial spasm. Part 5: *In vitro* contractile activity of vasoactive agents including human CSF on human basilar and anterior cerebral arteries, 594
Effect of dopamine-beta-hydroxylase inhibition on cerebral vasospasm in the cat, 168
Experimental evaluation of the spasmogenicity of dopamine on the besilar artery, 45
Spasmogenic qualities of prostaglandin $F_{2\alpha}$ in the cat, 173
Veins
Aneurysm of a superior cerebral vein, 296
Angiographic demonstration of a cerebral venous angioma. Case report, 628
Jugular venography for evaluation of abnormalities of the skull base, 485
Traumatic fistula between a lacerated middle meningeal artery and a diploic vein. Case report, 241
VENES JL, SAYERS MP. Sagittal synostectomy. Technical note, 390
Venography
Jugular venography for evaluation of abnormalities of the skull base, 485
Ventricles
Myxochondrosarcoma of the fourth ventricle. Case report, 386
Ventriculography
Method of needle immobilization for ventriculography. Technical note, 262
Ventriculostomy
Infections complicating the use of external ventriculostomy, 567
VILLAREJO-ORTEGA FJ. *See* Sengupta RP, 479
VISE WM. *See* Koozekanani SH, 429
———. *See* Zimmerman E, 372
Vision
Orbicularis oculi reflex and facial muscle electromyography. Pre- and postoperative evaluation of posterior fossa space-occupying lesions, 550
Tolosa-Hunt syndrome: one cause of painful ophthalmoplegia, 544
VOGEL H. *See* Sarnowski RJ, 270
VORIS HC. Book review, 265

WAGA S. Superimposed chronic hygromas. (Letter), 531
WALKER AE. Invited editorial: The neurosurgeon's responsibility for organ procurement, 1
WALKER MD, ALEXANDER E JR, HUNT WE, LEVENTHAL CM, MAHALEY MS JR, MEALEY J, NORRELL HA, OWENS G, RANSOHOFF J, WILSON CB. Evaluation of mithramycin in the treatment of anaplastic gliomas, 655
WALSER R. *See* Penn RD, 449
WARD AA JR. Book review, 399
WASSENAAR W, TATOR CH. Carbohydrates as potential diagnostic tracers for brain tumors, 668
WATTS JW. Book review, 761
WEBER H-P. *See* Yaşargil MG, 298
WEINSTEIN PR. *See* Thompson JR, 509
WERRBACH K. *See* Kelly PJ, 342
WHITCOMB BB. Book review, 762
WHITE RP, HAGEN A, ROBERTSON JT. Experimental evaluation of the spasmogenicity of dopamine on the basilar artery, 45
———. *See* Kapp JP, 173
WHITLEY DF. *See* Rinaldi I, 100
WILSON CB. Book review, 529
———, U HS. Surgical treatment for aneurysms of the upper basilar artery, 537
———. *See* Chater N, 712
———. *See* Feinsod M, 29
———. *See* Walker MD, 655
WINFREY EW. *See* Rinaldi I, 100
WINTERNITZ WW, DZUR JA. Pituitary failure secondary to head trauma. Case report, 504
WISE BL. VP and VA shunts compared. (Letter), 134
WISSINGER JP. *See* Rylander HG, 465
WITTEN DM. *See* Han SY, 368
WOLPERT SM. *See* Scott RM, 386
WRIGHT SJ JR. Microblock for occlusion of small vessels. Technical note, 757

YAŞARGIL MG, KASDAGLIS K, JAIN KK, WEBER H-P. Anatomical observations of the subarachnoid cisterns of the brain during surgery, 298
YASHON D. *See* Zimmerman E, 372
YOSHIDA M. *See* Matsukado Y, 435
YUHL ET, BENTSON JR. Rapid arteriovenous shunting in a spinal cord ependymoma. Case report, 744

ZIMMERMAN E, GRANT J, VISE WM, YASHON D, HUNT WE. Treatment of Jefferson fracture with a halo apparatus. Report of two cases, 372